

FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA

27 MAY 1976

ALUMNI AWARD PRESENTED

Walter C. MacKenzie, Executive Director of the Provincial Cancer Hospitals Board of Alberta and Professor Emeritus of Surgery at the University, will be presented the University's Alumni Golden Jubilee Award for 1976 at Convocation on Friday, 28 May.

Dr. MacKenzie served as Dean of Medicine from 1959 until 1974. Immediately after stepping down as Dean, he served as chairman of a provincial task force formed to investigate highway accidents and suicide in Alberta. In December of last year, he was appointed Executive Director of the Provincial Cancer Hospitals Board. Dr. MacKenzie also holds appointments as an adviser in surgery to the Director General of Treatment Services of the Federal Department of Veteran Affairs, as a member of the Editorial Board of the British Council to the Board of Regents of the American College of Surgeons, and as a member of the Education Committee of the Royal College of Physicians and Surgeons of Canada. He is also President of the Traffic Research Foundation of Canada.

Born in Glace Bay, Nova Scotia, Dr. MacKenzie attended the Universities of Dalhousie, Minnesota, and McGill. Part of his internship was spent as a surgical first assistant at the Mayo Clinic in Rochester, New York. In 1950, after serving as a surgical consultant to the Royal Canadian Navy during the Second World War, he came to this University as a Professor of Surgery. During his career, he held an appointment as Honorary Surgeon to Her Majesty the Queen and in 1970 received the Medal of Service of the Order of Canada. He holds honorary degrees from three Canadian universities, was presented the Outstanding Achievement Award of the University of Minnesota, and is an Honorary Member or Fellow of medical colleges in various countries around the world.

The Alumni Golden Jubilee Award, initiated in 1958, represents the highest honor the Alumni Association can bestow for meritorious service. It recognizes outstanding citizens, not necessarily alumni, who have contributed to the welfare of the University. Bernard S. Adler, President of the General Alumni Association, will present the award to Dr. MacKenzie.



Last Thursday, as part of the GAC-MAC conference, Associated Helicopters in collaboration with Mobile Augers and Research Ltd. demonstrated the flexibility of the helicopter-mobilized dry-auger Ranger drill in the Quad. Normally, research equipment similar to the auger is trucked in to the site.

TWO MEDALS AWARDED AT GAC-MAC

As part of the Geological Association of Canada and the Mineralogical Association of Canada meetings held last week, two medals were awarded to outstanding Canadian geoscientists. Robert John Wilson Douglas received the Logan Medal, and Harold Williams received the Past President's Medal of the Geological Association of Canada.

Dr. Douglas has been with the Geological Survey of Canada, and, after doing research in the petroleum-bearing regions of western Canada, he became head of the Regional Geology Division, responsible for geological investigations in the orogenically disturbed regions of Canada with known or potential mineral deposits. He has had a leading role

in the compilation of numerous geological maps such as the *Geological Map of Canada* and the *Geological Atlas of Canada*. Dr. Douglas has also been a distinguished lecturer at the University of Toronto and at Queen's and McGill Universities.

Harold Williams, Professor at Memorial University of Newfoundland, is the leading authority on Canadian Appalachian geology. His recent research has focused on the transported rocks of the western Appalachians, particularly in western Newfoundland; he has determined the complex stacking order of the oceanic rocks that now rest upon rocks that formed the one-half billion year old continental margin of North America. Dr. Williams is now recognized as a foremost international expert on such transported oceanic rocks.

GENERAL FACULTIES COUNCIL AGENDA

The following agenda has been received from Margaret Midgley, Secretary to General Faculties Council.

A meeting of the General Faculties Council will be held on Monday, 31 May 1976, at 7 p.m. in the Council Chamber, University Hall. Please note the change of time.

1. Approval of the agenda
2. Approval of the minutes of 26 April 1976
3. Question period

Reports

4. Executive committee report
5. Report from the Board of Governors
6. Nominating Committee report

Business arising

7. Admission to quota faculties: report from the Admission Requirements Committee
8. GFC ad hoc Committee on Restructuring the Office of Student Affairs: interim report
9. GFC Committee on Research: annual report
10. Proliferation of GFC committees: proposal from R.J. Crawford
11. Access to student records: proposal from the Registrar re faculty offices equipped with computer terminals
12. Division of Biomedical Engineering and Applied Sciences: proposed composition of Review Committee for Director
13. Replenishment of the Nominating Committee
14. Proposed Master of Science Degree Program in Biomedical Engineering and Applied Sciences

15. Women's Studies Sampler
 16. Revised Academic Staff Agreement Part I
 17. New members of General Faculties Council 1976-77
 18. Proposal for the establishment of a Canadian Institute of Ukrainian Studies: recommendations from Academic Development Committee
 19. Academic requirements for admission to the University from Grade XII: report of the Academic Development Committee
- Other business*

LIQUID SCINTILLATION SCIENCE AND TECHNOLOGY

The forthcoming International Conference on Liquid Scintillation Science and Technology will be held in Banff, Alberta, from 14 to 17 June. It has been organized by L.I. Wiebe, C. Ediss, and A. Noujaim of the Faculty of Pharmacy and Pharmaceutical Sciences. This meeting will provide an opportunity for users of the Liquid Scintillation Technique to hear international authorities report on the most recent developments in this field. The abstracts of the research and review papers will be published by the *International Journal of Applied Radiation and Isotopes*, and the complete conference proceedings will be published as a bound volume by Academic Press.

A series of plenary lectures on the following topics will be presented by internationally recognized authorities: "The mechanism of the liquid scintillation process" by D. Horrocks, Beckman Instruments, Fullerton, California; "Low level liquid scintillation counting" by H. Polach, Australian National University, Canberra, Australia; "The measurement of Cerenkov radiation with liquid scintillation spectrometers" by H. Ross, Oak Ridge National Laboratory, Oak Ridge, Tennessee; "Liquid scintillation counting of novel radionuclides" by J.A.B. Gibson, Harwell Establishment, United Kingdom; and "Bioluminescence" by P.E. Stanley, Queen Elizabeth Hospital, Adelaide, Australia.

Interactive workshop and discussion sessions will take place between conference registrants and panel members with expertise in low background counting, data processing, instrument design, sample solubilization, chemiluminescence, oxidation techniques, adsorption in liquid scintillation counting, and standards. These sessions are intended to encourage the discussion of common problems and to allow current solutions to these problems to be shared.

Instrument session panel members will include: B. Laney, Searle Instrumentation, Chicago; J. Noakes, University of Georgia,

Atlanta; and P.E. Stanley, Queen Elizabeth Hospital, Adelaide, Australia.

Sample preparation panel members will include: K. Painter, Colorado State University, Colorado; C.T. Peng, University of California, San Francisco; W. Kisielewski, Argonne National Laboratory, Chicago; E.D. Bransome, Medical College of Georgia, Augusta, Georgia; D.C. Wigfield, Carleton University, Ottawa; and R. Ferris, Searle Instrumentation, Chicago.

A major proportion of the program will be devoted to the presentation of original scientific papers on topics related to science, technology, and novel applications of liquid scintillation counting.

Scientists, students, and technologists who are interested in attending the International Conference on Liquid Scintillation Science and Technology should contact A.A. Noujaim, telephone 432-3920, at the radiation control office for registration forms.



CENTREX QUIRKS EXPLAINED

To prepare campus telephone users for Centrex on 18 July 1976, orientation sessions will be held during June and early July. The location for the sessions will be the fourth floor Conference Room, General Services Building.

Those attending will be made familiar with the operation of the new service features (quirks) included in Centrex. Those persons will then become departmental resources for this information about Centrex.

There will be an average of two to three representatives from each department attending, one of whom will be the Administrative Officer. If questions about the new system come up, they are to be directed to these particular people within the department, after Centrex conversion.

The orientation sessions will consist of slides, instructions, graphics, and "hands-on" practice. Each session will last about one and one half hours. A "Centrex User's Guide" has been developed and will be explained and then given out for departmental distribution. The "User's Guide" will also be printed inside the Interim Campus Directory to be sent out early in July.

These brief orientation sessions will be the only formal instruction on Centrex prior to the conversion on 18 July. Therefore, it is important that those persons representing a department attend these sessions and make themselves known as the Centrex information resource within their area.

FOLIO

THE UNIVERSITY OF ALBERTA, EDMONTON, ALBERTA

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Jeanette Rothrock, Editor

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E. ENTOMOLOGIST RECEIVES C. GORDON HEWITT AWARD

Bruce S. Heming, Associate Professor of Entomology, has been awarded the C. Gordon Hewitt Award for Outstanding Achievement in Canadian Entomology. The award is presented by the Entomological Society of Canada to entomologists under the age of forty.

Dr. Heming has made a distinguished contribution to Canadian entomology by his detailed studies on the ontogeny, structure, and function of various organ systems in thrips and has achieved an admirable record as a teacher of general entomology, economic entomology, and insect development.

Born in Ithaca, New York, Dr. Heming received his BSA in 1963 from the Ontario Agriculture College and his PhD in 1968 from North Carolina State University, Raleigh. He has been with the Department of Entomology since 1968.

Dr. Heming is the second recipient of the award named in honor of C. Gordon Hewitt who, before the age of thirty-five, had established the framework that was to regulate the development of entomology in the Canadian government service for over half a century. Formal presentation of the award will take place in October, when the Entomological Society of Canada meets with the Entomological Society of Ontario in Toronto.

A PARTIAL CORRECTION

In last week's *Folio*, in the article "Spring Convocation: the Figures," the figure recorded for the Faculty of Arts was partially in error. The figure of 353 graduates was only partial; the actual total for Arts is 525. Three hundred and fifty-three refers only to the number of BA General graduates. The remainder of the 525 Arts graduates is partially made up of those in Special and Honors programs, partially of those in Music, partially of those in Fine Arts, partially of those in Canadian Studies, and partially of those in Special Certificate Programs.

PEOPLE

■ Pierre A.R. Monod, Associate Professor of Romance Languages, was a guest speaker at the Annual Symposium of the Canadian Association of Applied Linguistics held at the University of Sherbrooke. His topic was "La langue par la littérature ou la littérature par la langue?" He also directed a workshop on "La place de la littérature dans l'enseignement du français, langue seconde."

- T.M.S. Priestly, Assistant Professor of Slavic Languages, read a paper at a special session on Slovene sociolinguistics at the Mid-West Slavic Conference in Chicago.
- Bruce Bain, Associate Professor of Educational Psychology, was invited speaker to the Chicano Citizens Action League of California. Dr. Bain's address was on "English as a second language for the Chicano: bilingualism or brainwashing."
- Gerald Redmond, Associate Professor of Physical Education, has been invited to be a Member of the Council of the International

Association for the History of Physical Education and Sport (HISPA). The Association has members from forty-five countries, and Dr. Redmond will be the first Council Member for Canada.

BOOKS

■ *L'oiseau de feu* by Yar Slavutych, Associate Professor of Slavic Languages, has been published in a French translation by René C.



Richard Kerr

folio accepts display advertising

Size and rates: the basic unit size is 45 agate lines x 15 picas (3¼" x 2½"). The full page is divided into 9 such units, any combination of which is available at a cost of \$20 per unit. Half pages cost \$100. A professional/business card unit (2½" x 1½") is available at a cost of \$12. Discounts are offered for extended runs; please enquire.

Other specifications: half-tones (100-line screen or less) are acceptable; no color or bleeds. Camera-ready copy is preferred; there is a charge of 15c per word for typesetting, and \$5 per line for design of work which is not camera ready. Deadline for submission is one week prior to publication (Thursday, 4 p.m.) for camera-ready copy; 10 days for all other advertising copy. Positioning is at the discretion of the editor.

Contact: Richard Kerr or Esther Fraser, 326 Assiniboia Hall, The University of Alberta; telephone 432-4991.

du Gard of the University of Delaware. The book includes some forty poems written between 1938 and 1976.

NOTICES

FEEDERS' DAY

The University of Alberta's Fifty-fifth Annual Feeders' Day will be held 8 June at Lakeland College, Vermilion.

The program will have a new format, according to Larry Milligan, Chairman of the Department of Animal Science and coordinator for the Feeders' Day program. The new format will provide for more interaction among members of the Department of Animal Science and livestock producers. The number of oral presentations will be fewer than in past years, but all staff members will be present for consultation with producers.

Among those giving presentations are R.T. Berg, "Winter maintenance requirements of Kinsella cows and cross-breeding with large, dairy-breed bulls for beef production"; G.W. Mathison, "Feeding straw to wintering beef cows"; C.M. Grieve, "Feeding lactating dairy cows"; R.J. Christopherson, "Comparative adaptability and cold tolerance of bison, yak, and cattle"; D.R. Clandinin, "A review of research on the use of low glucosinolate type rapeseed meal in rations for poultry"; F.X. Aherne, "Increasing the number of pigs weaned per sow per year"; and G.R. Whenham, "Veterinary question box." J.P. Bowland, Dean of the Faculty of Agriculture and Forestry, will lead a discussion on the Faculty and its role.

Proceedings of the Feeders' Day will be published and will contain additional papers which were not orally presented. This special edition of the *Agriculture Bulletin* is available by contacting the Faculty of Extension, 82 Avenue and 112 Street, Edmonton, or by calling 432-3029 in Edmonton.

CORRECTION

In the 6 May edition of *Folio*, it was stated that G.A. Bulat had been elected to the Administrative and Professional Officers Committee of General Faculties Council. In fact, P.A. Robison, Assistant to the Dean of Arts, was elected to that position.

DIAL-A-DIETITIAN

Dial-a-Dietitian is a public service carried out by the Alberta Registered Dietitians Association. The service allows persons to call 439-4442 (an answering service) and ask questions about nutrition, planning adequate meals, purchasing, storing, or handling of

foods, food labelling and additives, preparing and cooking new convenience foods, and similar topics. Within forty-eight hours, a volunteer registered dietitian will call back with the researched answer to the question.

The purpose of Dial-a-Dietitian is to provide the public with an authoritative source of nutrition information. The service is free of charge to all Edmonton and area residents. Dial-a-Dietitian operates from 9 a.m. to 5 p.m. Monday through Friday, holidays excepted.

VISITOR PARKING

Staff members are reminded that advance parking arrangements should be made with Parking Services for persons invited to the University as guest speakers or for other purposes related to departmental functions. This cooperation is necessary so that such persons may park their vehicles on the campus in accordance with the Traffic and Parking Regulations of the University.

STUDENT HOUSING REGISTRY

The Student Housing Registry is posting notices throughout the summer of available accommodation. The notice board is outside 259 Students' Union Building, at the west end of the second floor.

The Registry also maintains an electronic secretary at 432-4212 to receive calls pertaining to problems students or staff may have acquiring accommodation.

THIS WEEK AND NEXT

Listings must reach the Editor by 9 a.m. the Friday prior to publication. Written notification is preferred.

27 MAY, THURSDAY

Noon Seminars

12 noon. Urban Reform Group Edmonton (URGE) presents Elly DeJongh giving a visual comparison of different downtowns, John Cunningham talking about problems of access to downtown business, and Llew Lawrence speaking on the city's plans for improved access to downtown. The topic of the discussion is "Access for all: who, where, and how?" Music Room, Centennial Library.

Convocation

2 p.m. Part two of Spring Convocation is held at the Jubilee Auditorium.

Cinematheque 16

7:30 p.m. *The Bird with the Crystal Plumage* (Italy/Germany, 1969). Starring Suzy Kendall and Tony Musante. English version. Downstairs, Edmonton Art Gallery. Admission \$2.

28 MAY, FRIDAY

Faculty Club

Downstairs. "Deli Night." Cold cuts, salads, pickles, Ukrainian bread, dinner buns, and cherry crisp. \$3.95.

Upstairs. Regular dinner menu; reservations required.

Convocation

2 p.m. Part Three of Spring Convocation is held at the Jubilee Auditorium.

Cinematheque 16

7:30 p.m. *Husbands* (United States, 1970). Directed by John Cassavetes and starring Peter Falk and Ben Gazzara. Downstairs, Edmonton Art Gallery. Admission \$2.

29 MAY, SATURDAY

Faculty Club

Downstairs. "Barbecue Your Own." Steaks \$5.50, chicken \$4; Greek salad, and rhubarb cobbler.

Upstairs. Regular dinner menu; reservations required. Entertainment: Bert Ward Band with vocalist Dolores Wozny.

30 MAY, SUNDAY

Cinematheque 16

2 p.m. *Johnny Got His Gun* (United States, 1971). Directed by Dalton Trumbo, and starring Timothy Bottoms, Jason Robards, and Donald Sutherland. Downstairs, Edmonton Art Gallery. Admission \$2.

'In Touch With U'

And every Sunday. 3 p.m. A program to introduce the University to the community at large. CITV channel 13, cable 8.

Dance

7 p.m. The Ukrainian National Federation presents a "Ukrainian Dance Festival" at the Jubilee Auditorium. Tickets are available at the Ukrainian Bookstore, telephone 422-4255.

3 JUNE, THURSDAY

Cinematheque 16

7:30 p.m. *Five Easy Pieces* (United States, 1970). Directed by Bob Rafelson, and starring Jack Nicholson and Karen Black. Downstairs, Edmonton Art Gallery. Admission \$2.

4 JUNE, FRIDAY

Faculty Club

Downstairs. "From the grill." Steak sandwiches, hamburgers, French fries, and hot beef dips. *Upstairs.* "Spanish Special." Gazpacho soup, fish Mazatlan style, rice salad, and fruit flan.

\$5.50. Lobster \$12.50. Also regular dinner menu; reservations required.

Cinematheque 16

7:30 p.m. *Joe Hill* (United States/Sweden, 1971). Directed by Bo Widerberg, and starring Tommy Berggren and Anja Schmidt. English version. Downstairs, Edmonton Art Gallery. Admission \$2.

5 JUNE, SATURDAY

Faculty Club

Downstairs. "From the grill." Regular lower lounge menu.

Upstairs. Lobster \$12.50. Also regular dinner menu; reservations required. Entertainment: Gordon Schmidt Band.

EXHIBITIONS AND PLAYS

Provincial Museum

Until 30 May. "Medieval Images," a collection of brass rubbings.

Until 27 June. "Why? Why Not?" a display illustrating some of the outstanding contributions made to the natural sciences by nineteen Canadian women of the nineteenth and twentieth centuries. Feature Gallery 3.

Continuing. "Documentary Heritage," a long-term exhibition displaying valuable manuscripts and documents in the Provincial Archives of Alberta. Archives Gallery.

Edmonton Art Gallery

Until 28 May. "Woman as Sex Object," a display of works featuring the female form in art.

Until 28 June. "A Visual Poem—Children's Manipulation of the Painting Medium," an exhibition of paintings done by very young children.

Opening 28 May. "The Milner Collection," a display of works by Canadian artists such as the Group of Seven, David Milne, Emily Carr, and Clarence Gagnon among others, taken from the collection of the late H.R. Milner.

Opening 28 May. "R.L. Myren," an exhibition of paintings and drawings of landscapes by the Edmonton artist.

Opening 28 May. "The New Artists," an exhibition of works by students graduating in the last year from the University's Master of Visual Arts program.

Latitude 53 Gallery

Until 2 June. "Graham Peacock: Recent Paintings, Spring 1976," a display of works by Graham Peacock. Latitude 53 Gallery, 10048 101A Avenue. Gallery hours are from 12 noon to 5 p.m. Tuesday through Saturday.

Northern Light Theatre

Until 5 June. Charles P. Schott blends the arts of clown, pantomime, and mime in *The Mime Show*. Downstairs, Edmonton Art Gallery. Performances Tuesday through Friday at 12:10 p.m. with extra performances on Thursdays and Fridays at 1:10 p.m. There will also be Saturday evening performances at 7 p.m. and 8:30 p.m. Admission to the weekday performances is \$2 regular and \$1 for senior citizens; admission to Saturday performances is \$2.50.

SUB Art Gallery

Until 31 May. "Major Saskatchewan Artists," a traveling art exhibition presented by the University of Saskatchewan Alumni Association. SUB Art Gallery. Gallery hours are from 12 noon to 5:30 p.m. weekdays, and from 2 p.m. to 6 p.m. on weekends.

Theatre Network

27 to 29 May and 1 to 5 June. Theatre Network, Alberta's newest professional theatre company, presents the world premiere of George Ryga's newest play *Seven Hours to Sundown*. The play revolves around the future of an old town church and the conflicts which arise among the townspeople. Studio Theatre, Corbett Hall. Admission is \$3 regular and \$2 for students. Tickets are available at Woodward's stores, Bonnie Doon, the Coliseum Box Office, the Students' Union Box Office in HUB Mall, and at the door on evenings of performances.

GRADUATE SCHOLARSHIPS AND AWARDS

All inquiries regarding the following scholarships and awards should be directed to L. Henderson, Administrator of Student Awards, 219 Central Academic Building, telephone 432-3495.

NATO Joint Scientific Programs in Human Factors and Systems Science Research Grants

Where tenable: open; *Number:* variable; *Conditions:* The aim of the joint Research Grant program is to stimulate collaborative research by providing funds for scientists of universities and/or non-profit research institutions from NATO countries to carry out joint research projects which are of common interest to both systems and behavioral scientists. A Research Grant, however, does not constitute a contract for a specific piece of research. Rather, it is a grant in aid of a project which relies mainly on national financial support, where collaboration entails costs not readily met from normal financial sources. Applications are considered by the Special Program Panels on Human Factors and Systems Science, each of which consists of a small number of eminent scientists representing their respective disciplines. *Closing date:* 31 August and 31 January of each year. Initial enquiries should be made at least two or three months before these specified dates. *Obtain further information from:* Scientific Affairs Division, NATO, 1110 Brussels, Belgium.

MENTAL HEALTH RESEARCH FUND PROPOSALS INVITED

Funding for mental health research scholarships and projects is now available from Alberta Social Services and Community Health. The final deadline for submissions is June 30. For guidelines governing these grants — or an application form — contact:

**Edward M. Franzoni
Mental Health Research Fund
Alberta Mental Health Services
9945 - 108 Street, 5th Floor
Edmonton, Alberta
T5K 2Z7**

Ph. 427-2809



La American Teaching Fellowships (LATF)

Value: financial arrangements for each LATF position are worked out on an individual basis, depending on degrees of support from the host institutions, internship payments, and other fellowship or research stipends. Average monthly income for 1976-77 Fellows will be between \$600 and \$1,000. **Eligibility:** preference is given to applicants who have completed doctoral or professional degrees and to doctoral candidates who have completed all degree requirements except the dissertation. There are no citizenship or age requirements. In most cases selected candidates are required to write and speak the language of the country to which they are assigned. **Duration:** in most cases twenty-four months; however, both shorter and longer periods may also be granted. **Conditions:** LATF professors usually fulfill one of two functions: they replace a faculty member currently studying outside the host country, or they offer courses which otherwise would not be offered due to absence of necessary expertise and personnel. Some of the positions currently offered carry an "internship" component. This requires the Fellow to work approximately half-time for a corporation or public agency in the host country. The LATF program currently operates in the following countries: Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Peru, Uruguay, and Venezuela. **Obtain further information from:** Latin American Teaching Fellowships, Fletcher School of Law and Diplomacy, Tufts University, Medford, Massachusetts 02155.

The Alexander von Humboldt Research Fellowship

Value: the amount of the Fellowship is regulated according to age. There are two categories, Research Fellowship A, for young PhD holders with past experience in independent research (DM 1,600 net monthly), and Research Fellowship B, for scholars with several years' experience in research and teaching who have already published outstanding work (DM 1,900 net monthly). **Number:** approximately 400 a year. Age is restricted to persons not younger than twenty-five and not older than forty. **Duration:** Fellowships for six to twelve months can be applied for and extensions up to a total of twenty-four months can be granted. **Field of study:** open. **Conditions:** the purpose of the Foundation is to award fellowships to young, academically trained and highly qualified persons of foreign nationality, regardless of their sex, race, religion, or ideology, to enable them to carry out research projects in the Federal Republic of Germany. Humboldt Fellowships are awarded only for specific research projects, not for training purposes, or for short-term informatory or study tours. The applicant is free to choose the German institute where he would like to work. Applications may be submitted by foreign scholars who have completed their academic training with the PhD or an equivalent to the German doctorate and who have good knowledge of the German language. **Further information can be obtained from:** Alexander von Humboldt-Stiftung, D-53 Bonn-Bad Godesberg, Schillerstrasse 12, Federal Republic of Germany. A limited number of application forms are available at the Office of the Faculty of Graduate Studies and Research.

Land Economics Foundation Dissertation Awards

Value: first prize, \$1,000; second prize, \$500. **Level of study:** graduate. **Field of study:** real estate or real estate finance, regional planning, applied economics, geography, or a related discipline. **Conditions:** A PhD dissertation initiated on or after 1 January 1975 and accepted by the graduate school of the degree-granting university on or before 31 December 1976 will be eligible for these awards if its subject matter is an applied problem

in the above disciplines. A theoretical approach will be considered if it includes application to practical problems and solutions. The awards committee will be especially interested in dissertations treating critical issues of land acquisition, allocation, and utilization within and near metropolitan areas of Canada and the United States. A chapter outline, an abstract of the dissertation complete with statement of problem and recommended solutions, a summary of methodology, and a bibliography must be received no later than 15 January 1977. A copy of the finished dissertation may be requested for further study. The two winning authors will be invited to attend the Biennial Congress of Lambda Alpha in Washington, D.C., on 13 to 15 October 1977 as guests of the Land Economics Foundation. They will be asked to present summaries of their dissertations and will receive their awards at the Congress. **Obtain further information from:** The Land Economics Foundation of Lambda Alpha, 605 E. Algonquin Road, Arlington Road, Arlington Heights, Illinois 60005.

Cooperative Student Awards

for Research on Cooperation and Cooperatives

Value: \$2,000. **Level of study:** graduate. **Field of study:** open; the research must focus on some aspect of cooperation or cooperative activity. **Tenure:** these awards are given once for a particular research project. **Eligibility:** Canadian citizens or landed immigrants doing graduate research within the 1976-77 academic year. **Closing date:** 1 July. All candidates will be notified of the Selection Committee's decision by 30 September. **Further information and application forms should be requested from:** Office of the Faculty of Graduate Studies and Research.

POSITIONS VACANT

Manager-Finance

The Students' Union

Duties: the Manager-Finance is a working manager primarily responsible for the effective control and management of the finances of the Students' Union. The person appointed will supervise and coordinate all accounting and control functions and will generally supervise the operations of the Arts Area (Theatre, Crafts, Record Store, Music Listening Area, and Multi-purpose Gallery) and the Services Area (Room At The Top, Fridays, Games Areas, Information Desk, and the Box Office). **Qualifications:** the person must be a Chartered Accountant or an RIA Graduate with a minimum of five years related experience. He or she must have the ability to work in a thorough and organized manner and be able to deal effectively with staff, students, and the public. **Salary:** negotiable. **Applications:** both men and women are invited to apply. Interested applicants should submit the names and addresses of three references and a completed dossier to Harry M. Goldberg, General Manager, The Students' Union, The University of Alberta.

ACADEMIC POSITIONS

Multi-Media Resource Specialist

Faculty of Extension

Legal Resource Centre

Duties: responsible for the provision and the coordination of library services of the Centre, the administration and supervision of professional library work, and, as the Centre expands, development and maintenance of effective relationships among libraries, organizations, and individuals in the province to promote use of the Centre. Travel throughout Alberta, Canada, and the United States will be required. **Qualifications:** graduate of an accredited

Canadian library school is essential. Experience in library administration coupled with an understanding of audio-visual equipment and materials is preferred. **Salary:** will be commensurate with qualifications and experience. **Applications:** both men and women are invited to apply. Interested applicants should submit a comprehensive résumé to Lois Gander, Alberta Legal Resource Centre, Corbett Hall, 432-5735.

NON-ACADEMIC STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly.

Clerk Typist I (\$505-\$576)—Housing and Food Services
Clerk Typist II (\$505-\$627)—Forest Science; Provincial Laboratory
Clerk Typist II (\$253-\$313)—Western Board of Music (part-time)
Clerk Steno II (\$527-\$653)—Anatomy; Mechanical Engineering; Physical Education; Secondary Education (two positions); Student Counselling; Geography; Institutional Research and Planning; Office of the Vice-President
Clerk Steno III (\$599-\$744)—Physics (trust)
Clerk Typist III (\$576-\$713)—Computing Science; Physiology
Senior Clerk (\$576-\$713)—Housing and Food Services, HUB Complex
Clerk Steno III (\$599-\$744)—Educational Administration; Psychiatry; Sociology; Faculty of Law; Psychology; Computing Services
Clerk Steno III (\$299-\$372)—Faculty of Graduate Studies (part-time)
Data Entry Operator I (\$599-\$744)—Computing Services; Office of Administrative Systems
Medical Stenographer (\$653-\$814)—Medicine
Secretary (\$683-\$853)—Institute of Law Research and Reform (trust); Health Services; Faculty of Rehabilitation Medicine; Boreal Institute
Medical Records Librarian I (\$713-\$891)—Pathology
Executive Secretary (\$779-\$975)—Vice-President's Office, Planning and Development
Computer Assistant I (\$527-\$653)—Computing Services (three positions)
Laboratory Assistant II (\$551-\$683)—Surgery
Technician I (trust) (\$713-\$891)—Pharmacology; Soil Science
Technician II (\$814-\$1,020)—Entomology
Biochemistry Technologist I (\$814-\$1,020)—Biochemistry; Cancer Research Unit (trust)
Research and Planning Analyst I (\$599-\$744)—Institutional Research and Planning
Application Analyst (\$932-\$1,171)—Geography
Public Relations Assistant III (\$1,020-\$1,283)—Athletic Services
Engineering Technologist I-III (\$779-\$1,283)—Physical Plant
Analyst (\$1,171-\$1,474)—Business Administration and Commerce
Biochemistry Technician (open)—Microbiology (trust) (part-time)
Television Producer I-II (\$932-\$1,344)—AudioVisual Media Centre
Motor Mechanic II (\$975-\$1,225)—Plant Science
Audio Technician II (\$814-\$1,020)—Technical Services

The following is a list of currently available positions in the University Library. The bulletin board postings in the Library Personnel Office, 516 Cameron Library, should be consulted for further information as to position requirements and availability.

Library Clerk II (\$527-\$653)—Cataloguing
Library Clerk III (\$576-\$713)—Cataloguing
Library Assistant I (\$627-\$779)—Out of Print

OFF-CAMPUS POSITIONS

Chair of History

The Australian National University Research School of Social Sciences

Applications are invited for appointment to the Chair of History which will become vacant at the end of 1976. The University seeks to appoint a person with interest predominantly in Australian history and preferably in the period since 1850.

The appointee may be required to serve as Head of the Department for periods determined by the University Council.

Salary for this post will not be less than \$25,955 per annum, Australian currency. Reasonable travel expenses are paid and assistance is given with housing for an appointee from outside Canberra. Applications close 28 June 1976.

Further information should be obtained from G.E. Dicker, Academic Registrar, P.O. Box 4, Canberra, ACT, 2600, Australia.

American-European Student-Service

The purpose of this foundation is to place students in the country and job which interests them most and brings them into living contact with the peoples of Europe. The Student-Service is offering these jobs to students for Germany, Scandinavia, England, Austria, Switzerland, France, Italy, and Spain. They consist of forestry work, child care work, farm work, hotel work (limited number available), and construction work. The working conditions are strictly controlled by the labor ministries of the countries involved. Obtain further information and application forms from: American-European Student-Service, Box 34 733, FL 9490 Vaduz, Liechtenstein, Europe.

PERSONAL NOTICES

All advertisements must be received by 9 a.m. the Friday prior to publication. Rate is 15 cents per word for the first week, and 5 cents per word for subsequent weeks ordered before the next deadline. Minimum charge is \$1. Ads must be paid in advance. We regret that no ads can be taken over the telephone. For order forms or further information, telephone 432-4991.

Accommodation Available

Spencer Real Estate Ltd. has representatives specializing in re-locating University personnel. For professional assistance phone Mrs. Eid, 434-5780 or Mrs. Crockford, 434-0555; business, 436-5250. All inquiries held in strictest confidence.

Thinking of selling your home? Today's real estate market fluctuates. Make sure you receive top value. Call a professional. Call Ross Lizotte, Buxton Real Estate Ltd., 436-1140, 426-5880, extension 990.

For rent—1 July 1976: Brander Gardens four-bedroom executive two-storey home. Attached double garage. \$700 per month. For appointment to view phone Eleanor Duncan, Potter Realty, 436-3050, 434-7368.

For sale—Aspen Gardens. Everyone will appreciate the storage and built-ins in this four-bedroom, two-storey, featuring completely equipped kitchen, main floor laundry and family room, patio doors off dining room to deck overlooking fenced garden. Priced under \$95,000. Phone Eleanor Duncan, Potter Realty, 436-3050, 434-7368.

For sale—large cottage lots Grandview area at Pigeon Lake. Power, gas, telephone access. 400 feet to good beach and boat launch. Nobbs Enterprises Ltd., 452-7558.

For rent—three-bedroom house in Malmo for one year from July or August. 435-6722.

Selling: 1.71 acres river view land one half mile southwest city limits, treed ravine, ready for building. Phone (evenings) 435-8467.

For rent—four-bedroom furnished, or three-bedroom unfurnished bi-level house, two baths, family room. South side, ten-minute drive University.

1 July 1976 to August 1977. No pets. 435-1154.

Acreage for sale; cedar-log house with garage and barn on twenty acres. Two miles south of Game Farm, one-eighth mile east. \$89,000. 922-3128.

For rent—Mill Woods: brand new duplex, four bedrooms and family room; five appliances. \$475. 434-5037 after six.

For rent—furnished two or three-bedroom house in Belgravia. Near University. Beginning 1 July for one year. \$400. 436-0387.

For sale—three-bedroom home in Inglewood; open fireplace, new kitchen cupboards, hardwood floors; new wiring, plumbing, furnace; large well-treed lot. For more information telephone 455-8329 until midnight. Asking \$62,000; financing available.

For sale by owner: 2,250-square-foot, two-storey Colonial-style home in Duggan. Quiet; close to schools, shops, and bus. Fifteen minutes to the University. Telephone 435-4375.

For sale by owner: Riverbend, four bedrooms, one and a half baths, family room, reclaimed brick fireplace, large kitchen, many extras. Double garage, insulated; fully landscaped; close to schools, buses. \$89,000. 458-1022.

For rent—one-bedroom apartment, swimming pool. Summer only. \$280. Telephone 477-4277; evenings, 435-0638.

For sale—3.9 acres, 1,160 square foot, three-bedroom bungalow, two fireplaces; 30 x 24 garage. Six miles east Sherwood Park. 922-2585.

For sale by owner: three-bedroom condominium, west end; carpeting; carport, storage shed. Telephone 487-2637 after five.

For sale—four-bedroom house on quiet crescent near Southgate; open fireplace, secluded patio, mature shade trees. For appointment, telephone 434-1165.

Professor wishes to sell three-bedroom bungalow; fully-developed basement, one and one-half baths, well-landscaped, heavily-treed, large lot, fully fenced; garage. Fifteen to twenty minutes from University. Priced to sell at \$68,900. Call Winson Elgersma at Melton's, 489-2551; 489-1856.

For rent—Duggan; three-bedroom bungalow, furnished, equipped for infant. No garage. One year lease from 1 August, \$450. 434-2096.

For sale—Belgravia; walking distance to University. 1,650 square feet, bungalow, three bedrooms on main floor, large living room and kitchen, dining room, den with open fireplace, custom walnut panelling, bookshelves, and desk. Finished bedroom and bath in basement. Mature landscaping. 436-4964.

For sale by owner—Beautiful new 1,210 square foot bungalow with three bedrooms, 1½ baths. Features include: bright, spacious family-style kitchen with patio doors and large pantry; formal dining room with attractive wooden railing; cozy sunken living room with brick fireplace. Large 10¾ percent mortgage. Fifteen minutes from University. Telephone 462-3957 or 425-0110 (extension 205). No broker. No commission.

Accommodation Wanted

Wanted—unfurnished bungalow, 1 August.

Single family, references. 435-6386.

House wanted—Professor arriving from New Zealand requires two- or three-bedroom home in University area. Will pay up to \$80,000. Please telephone Dorothy Hamilton, H.R. Kellough Realty, at 432-4101; 454-8359.

Goods and Services

Plumbing—for estimates on basement bathrooms, repairs, gasfitting, etc., call 465-7079.

Have sixteen horsepower Case tractor, rototiller, mower, levelling blade. Will do large residential yards, acreages, etc. Phone Jerry, 439-3531.

Pan-abode prefab log buildings, homes, cottages, commercial. Phone Eric, 466-9883 after five.

Canadian Camping Tours. Come with us on a camping holiday. Travel the Alaska Highway and Inside Passage; twenty-two days, \$495. Hike in the Rockies of Banff and Jasper; twelve days, \$219. Canoe the Churchill River in Northern Saskatchewan; twelve days, \$382. Prices are all-inclusive. Flexible itineraries, shared activities, friendly atmosphere. It's all in our 1976 brochure. Write to: Canadian Camping Tours, 250 One Palliser Square, Calgary T2G 0P6.

G.S.L. Student Painting. Exteriors and fences.

Free estimates. 434-8648.

Peking, Shanghai food. Delicious, inexpensive. Simple surroundings. Shanghai House, 6525 111 Street. 435-7622.

Student Painting. Interior-exterior; commercial-residential. 436-6242.

Student Painting Company. General painting, excellent rates. Reliable service. Phone 435-7838 evenings.

For sale—registered German Shepherd puppies.

967-5045 after six or weekends.

Electric range, thirty-inch, avocado. Excellent condition. \$250. 487-2637 after five.

Stereo speakers. Acoustic research AR-5s. High, mid-range controls. \$295, pair. 487-4943 evenings.

Automobiles and Accessories

For sale—1974 Maverick, 20,000 miles; deluxe interior. Excellent condition. \$2,895. 432-3750, 434-0563.

1973 Dart Sport two-door coupé, 318 automatic, power steering, power brakes, radio. Wife's car. Good condition. \$2,650 or best offer. 466-6789 a five.

1973 Toyota station wagon, 1,600 cc, white, excellent service record. Asking \$2,000. Available 12 June. 432-4101, 454-8359.



GRANDVIEW EXECUTIVE

5 bedrooms, 3 bathrooms, impressive living and dining room, bright kitchen with family room adjacent. Second fireplace in rec room with bar and projection room. Double garage. Easy care lot. Asking price \$147,500. To view call Gord Christensen 465-7811, residence 464-1032.

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